



USPTO Form 151
(modified)

U.S. DEPT. OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

Sheet 1 of 1

Attorney Docket No.: 15-414C1

Serial No.: 10/646,251

Applicant: Richard V. Langhoff

Filing Date: August 22, 2003

Group: 3632

U.S. PATENT DOCUMENTS

| Examiner Initials | Document Number | Date | Name | Class | Subclass | Filing Date (if appropriate) |
|----------------------|--------------------|----------------|------------------|-------|----------|---------------------------------|
| KW | 5,873,486 | Feb. 23, 1999 | Morgan | | | |
| | 5,014,868 | May 14, 1991 | Wittig et al. | | | |
| | 3,025,629 | March 20, 1962 | T.O. Sears | | | |
| | 5,833,069 | Nov. 10, 1998 | Jones | | | |
| | 6,123,217 | Sept. 26, 2000 | Miller | | | |
| | 6,171,161 | Jan. 9, 2001 | Peterson | | | |
| | 6,050,468 | April 18, 2000 | Kelly | | | |
| | 6,047,849 | April 11, 2000 | Schwegman et al. | | | |
| | 4,183,226 | Jan. 15, 1980 | Moore | | | |
| | 5,467,543 | Nov. 21, 1995 | Fink et al. | | | |
| KW | 4,976,104 | Dec. 11, 1990 | Morris et al. | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Document Number | Date | Country | Class | Subclass | Translation Yes No |
|----------------------|-----------------|------|---------|-------|----------|-----------------------|
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

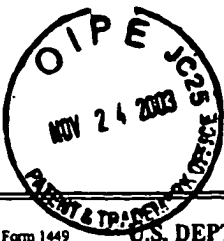
Kimberly Wood

DATE CONSIDERED

8/20/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609
Draw Line through citation if not in conformance and not considered.
Include copy of this form with next communication to Applicant

**Copies of references not provided at the time of this submission.



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|---|----------------------|---|----------------|--------------------------------|-------|------------------------|---------------------------------|
| USPTO Form 1449 (modified) | | U.S. DEPT. OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION Sheet 1 of 1 | | Attorney Docket No.: 15-414C1 | | Serial No.: 10/646,251 | |
| | | | | Applicant: Richard V. Langhoff | | | |
| | | | | Filing Date: August 22, 2003 | | Group: 3632 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date (if appropriate) |
| <i>KW</i> | | 5,687,874 | Nov. 18, 1997 | Omori et al. | | | |
| <i>KW</i> | | 5,845,806 | Dec. 8, 1998 | Parchman | | | |
| <i>KW</i> | | 4,571,194 | Feb. 18, 1986 | Kiss et al. | | | |
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| <i>KW</i> | | 4,306,665 | Dec. 22, 1981 | Hickey | | | |
| <i>KW</i> | | 4,671,424 | June 9, 1987 | Byrns | | | |
| <i>KW</i> | | 5,115,940 | May 26, 1992 | Friedman | | | |
| <i>KW</i> | | 5,134,930 | Aug. 4, 1992 | Mei-Hwa | | | |
| <i>KW</i> | | 5,580,132 | Dec. 3, 1996 | Rediske | | | |
| <i>KW</i> | | 5,622,261 | Apr. 22, 1997 | Mobley et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation Yes No |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
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| EXAMINER | <i>Kimberly Wood</i> | | | DATE CONSIDERED <i>8/20/04</i> | | | |
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